M/037/0088

Michael Bradley <mbradley@utah.gov>

Incoming

Additional Lisbon Valley Backfill Material

5 messages

Pals, David <dpals@blm.gov> Tue, Mar 22, 2016 at 4:03 PM
To: Keith Eagan <keagan@utah.gov>, Mike Bradley <mbradley@utah.gov>
Cc: Ken Ezpeleta <kezpeleta@lisbonmine.com>

Hi Keith and Mike,

I am cc-ing Ken Ezpeleta, LVMC Environmental Engineer, on this e-mail.

It was a pleasure talking today. I wanted to acknowledge we spoke today and were in agreement with the LVMC proposal to utilize additional backfill materials in the Centennial Pit. Please feel free to add or correct my comments below.

1. Prevents formation of pit pools from precipitation
2. Prevents inflow of groundwater from adjacent water-bearing units.
3. The constituent chemical composition of the backfill does not significantly change and is well below the background for groundwater.
4. The backfill will follow the sequence of mining in the Centennial Pit.

Thanks again,

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David Pals | Geologist
U.S. Department of the Interior | Bureau of Land Management | Moab Field Office
82 East Dogwood Avenue, Moab, Utah 84532
Direct: 435-259-2113 | Fax: 435-259-2106 | Email: dpals@blm.gov

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Keith Eagan <keagan@utah.gov> Tue, Mar 22, 2016 at 4:12 PM
To: "Pals, David" <dpals@blm.gov>
Cc: Mike Bradley <mbradley@utah.gov>, Ken Ezpeleta <kezpeleta@lisbonmine.com>

This summary looks great.

Thanks David.

Keith Eagan, P.G.
Ground Water Protection
[Quoted text hidden]

Michael Bradley <mbradley@utah.gov> Tue, Mar 22, 2016 at 4:22 PM
To: Keith Eagan <keagan@utah.gov>

Thanks.
One question...did y'all discuss how they would prevent inflow of groundwater from adjacent water-bearing units? I don't recall this coming up before, but that doesn't mean it hasn't.
Thanks,
[Quoted text hidden]
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Mike Bradley
Environmental Scientist III / Reclamation Specialist

Utah Division of Oil, Gas and Mining
M-F 7:30-4:30
801-538-5332

Keith Eagan <keagan@utah.gov> Tue, Mar 22, 2016 at 4:45 PM
To: Michael Bradley <mbradley@utah.gov>
Cc: Ken Ezpeleta <kezpeleta@lisbonmine.com>, Lantz Indergard <LIndergard@lisbonmine.com>

A question from Mike:

One question...did y'all discuss how they would prevent inflow of groundwater from adjacent water-bearing units? I don't recall this coming up before, but that doesn't mean it hasn't.
Thanks,

If that occurs, which I believe it is not currently happening, it will be part of the natural equilibrium process. If LVMC suspects there could be a problem, continued dewatering at a reduced would address solution mining of adjacent beds until equilibrium is reached.
[Quoted text hidden]

Michael Bradley <mbradley@utah.gov> Wed, Mar 23, 2016 at 7:23 AM
To: Keith Eagan <keagan@utah.gov>
Cc: Ken Ezpeleta <kezpeleta@lisbonmine.com>, Lantz Indergard <LIndergard@lisbonmine.com>

Thanks, Keith.
I meant to "reply-all" with my question but it looks like I only hit "reply" to you. I'll figure this email thing out some day...
From the way the comment was worded, it sounded like there had to be some proactive measure put in place to prevent inflow. But now I believe I understand that it doesn't require any physical action on LVMC's part to achieve this. Please correct me if I'm wrong.
Thanks again,
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